

South Carolina Retirement System (SCRS)

Executive Summary

	Valuation Date:	
	July 1, 2018	July 1, 2017
Membership		
• Number of		
- Active Members	196,184	193,985
- TERI Members	150,184	6,630
- Retirees and Beneficiaries	142,278	133,658
- Inactive Members	182,933	176,045
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- Total	521,395	510,318
Projected payroll of active members	\$9,183,081	\$8,592,885
Projected payroll for all members, including	*** *** ***	4.0 00
working retirees and members in ORP	\$11,128,564	\$10,921,112
Required Contribution Rates		
• Employer contribution rate ¹	15.56%	14.56%
• Member	9.00%	9.00%
Assets	4	4
Market value	\$26,414,916	\$25,732,829
Actuarial value	27,030,937	27,241,570
Return on market value	7.9%	11.9%
Return on actuarial value	4.1%	3.7%
Ratio of actuarial to market value of assets	102.3%	105.9%
• External cash flow %	-5.0%	-4.2%
Actuarial Information		
Normal cost %	10.66%	10.72%
Actuarial accrued liability (AAL)	\$49,104,763	\$48,374,725
Unfunded actuarial accrued liability (UAAL)	22,073,826	21,133,155
Funded ratio	55.0%	56.3%
• Funding period (years) ²	22	24
Reconciliation of UAAL		
Beginning of Year UAAL	\$21,133,155	\$18,565,938
- Interest on UAAL	1,532,154	1,392,445
- Amortization payment	(1,228,369)	(1,112,307)
- Assumption/method changes	(1,228,303)	1,309,385
- Asset experience	833,485	1,005,145
- Salary experience	(153,810)	147,345
- Other liability experience	(42,789)	(174,796)
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- Legislative Changes	0	0
• End of Year UAAL	\$22,073,826	\$21,133,155

¹ The employer contribution rates in effect for FY 2018, FY 2019, and FY 2020, are 13.56%, 14.56%, and 15.56% of pay, respectively. These contribution rates include the cost of incidental death benefits.

² The funding period for 2018 is determined on an actuarial value of asset basis and is based on the contribution rate scheduled to become effective for FY 2020 (i.e. beginning July 1, 2019 and ending June 30, 2020).



Police Officers Retirement System (PORS)

Executive Summary

	Valuation [Date:
	July 1, 2018	July 1, 2017
Membership		
• Number of	27.002	27.056
- Active members	27,093	27,056
- Retirees and beneficiaries	18,491	17,887
- Inactive members	17,277	16,004
- Total	62,861	60,947
Projected payroll of active members	\$1,306,961	\$1,263,314
Projected payroll for all active members,		
including working retirees	\$1,423,953	\$1,384,871
Required Contribution Rates		
Employer contribution rate ¹	18.24%	17.24%
Member	9.75%	9.75%
Assets		
Market value	\$4,570,431	\$4,274,123
Actuarial value	4,654,193	4,480,894
Return on market value	7.7%	11.8%
Return on actuarial value	4.7%	4.3%
Ratio - actuarial value to market value	101.8%	104.8%
• External cash flow %	-0.7%	-1.4%
Actuarial Information		
Normal cost %	14.61%	14.73%
Actuarial accrued liability (AAL)	\$7,378,084	\$7,109,612
Unfunded actuarial accrued liability (UAAL)	2,723,891	2,628,718
Funded ratio	63.1%	63.0%
• Funding period (years) ²	20	23
Reconciliation of UAAL		
Beginning of Year UAAL	\$2,628,718	\$2,212,544
- Interest on UAAL	190,582	165,941
- Amortization payment	(161,576)	(144,518)
- Assumption/method changes	0	213,979
- Asset experience	117,557	142,806
- Salary experience	4,816	70,073
- Other liability experience	(56,206)	(32,107)
- Legislative Changes	0	0
End of Year UAAL	\$2,723,891	\$2,628,718

The employer contribution rates in effect for FY 2018, FY 2019, and FY 2020, are 16.24%, 17.24%, and 18.24% of pay, respectively. These contribution rates include the cost of accidental and incidental death benefits.

The funding period for 2018 is determined on an actuarial value of asset basis and is based on the contribution rate scheduled to become effective for FY 2020 (i.e. beginning July 1, 2019 and ending June 30, 2020).



Retirement System for Judges and Solicitors (JSRS)

Executive Summary

Valuation Date:	July 1, 2018	July 1, 2017
Membership		
Number of		
- Active members ¹	160	160
- Retirees and beneficiaries	193	191
- Inactive members	4	3
- Total	357	354
Projected payroll of active members	\$22,347	\$22,347
Contribution Rates		
Employer contribution rate	52.49% ²	52.49%
Member	10.00%	10.00%
Assets		
Market value	\$160,036	\$152,151
Actuarial value	163,358	160,189
Return on market value	7.7%	11.8%
Return on actuarial value	4.4%	4.0%
Ratio of actuarial to market value of assets	102.1%	105.3%
External cash flow %	-2.4%	-3.3%
Actuarial Information		
Normal cost %	29.86%	29.30%
 Actuarial accrued liability (AAL) 	\$293,815	\$295,630
 Unfunded actuarial accrued liability (UAAL) 	130,457	135,441
Funded ratio	55.6%	54.2%
Funding period (years)	28	30
Reconciliation of UAAL		
Beginning of Year UAAL	\$135,441	\$124,467
- Interest on UAAL	9,819	9,341
- Amortization payment	(8,524)	(8,675)
- Assumption/method changes	0	9,577
- Asset experience	4,468	5,410
- COLA	(5,434)	(5,276)
- Salary experience	(2,402)	(409)
- Other liability experience	(2,911)	1,006
- Legislative Changes	0	0
End of Year UAAL	\$130,457	\$135,441

¹ Active member counts include unfilled positions and members in DROP or Retired-in-Place. The active member count also includes 20 and 22 retired-in-place members as of July 1, 2018 and July 1, 2017, respectively.

² The contribution rate determined by the July 1, 2018 actuarial valuation is certified by the Board to be effective for the fiscal year beginning July 1, 2019. The contribution rate includes the cost of incidental death benefits.



Retirement System for Members of the General Assembly of the State of South Carolina (GARS)

Executive Summary

Valuation Date:	July 1, 2018	July 1, 2017
Membership • Number of		
- Active positions	83	87
- Special contributors	17	19
- Retirees and beneficiaries	343	354
- Inactive members	37	35
- Total	480	495
Projected payroll	\$1,866	\$1,961
Contribution Requirement		
Member contribution rate	11.00%	11.00%
Employer contribution requirement ¹	\$6,329	\$5,804
Assets		
Market value	\$33,394	\$31,789
Actuarial value	34,902	34,887
Return on market value	7.6%	10.5%
Return on actuarial value	2.3%	1.8%
Ratio - actuarial value to market value	104.5%	109.7%
External cash flow %	-2.3%	-5.5%
Actuarial Information		
Normal cost %	23.68%	23.77%
Actuarial accrued liability (AAL)	\$73,004	\$74,855
Unfunded actuarial accrued liability (UAAL)	38,102	39,968
Funded ratio	47.8%	46.6%
Funding period from the valuation date	9 Years	10 Years
Reconciliation of UAAL		
Beginning of Year UAAL	\$39,968	\$39,070
- Interest on UAAL	2,898	2,930
- Amortization payment	(5,421)	(4,593)
- Assumption change	0	1,510
- Asset experience	1,715	1,851
- Liability experience	(1,058)	(800)
- Legislative changes	0	0
End of Year UAAL	38,102	\$39,968

¹ The contribution requirement determined by the July 1, 2018 valuation is effective for the fiscal year beginning July 1, 2019. The contribution requirement determined by the July 1, 2017 valuation was adopted by the Board to be effective for the fiscal year beginning July 1, 2018.



South Carolina National Guard Supplemental Retirement Plan (SCNG)

Executive Summary

Valuation Date:	July 1, 2018	July 1, 2017
Membership		
Number of		
- Active Members	11,853	12,116
- Retirees and Beneficiaries	4,821	4,789
- Inactive Members	1,895	1,901
- Total	18,569	18,806
Annual Required Contribution		
Member	\$0	\$0
• Employer contribution ¹	\$5,262	\$5,290
Assets		
Market value	\$28,327	\$26,036
Actuarial value	29,246	27,807
Return on market value	7.3%	10.8%
Return on actuarial value	3.7%	3.4%
Ratio - actuarial value to market value	103.2%	106.8%
External cash flow %	1.5%	0.7%
Actuarial Information		
Normal cost	\$801	\$819
Actuarial accrued liability (AAL)	66,192	66,506
Unfunded actuarial accrued liability (UAAL)	36,946	38,699
Funded ratio	44.2%	41.8%
Amortization period ²	18	19
Reconciliation of UAAL		
Beginning of Year UAAL	\$38,699	\$37,694
- Interest on UAAL	2,806	2,827
- Amortization payment	(4,284)	(4,115)
- Assumption/method changes	0	1,829
- Asset experience	995	1,123
- Other liability experience	(1,270)	(659)
- Legislative changes	0	0
End of Year UAAL	\$36,946	\$38,699

 $^{^{\}rm 1}$ The contribution amount determined by the actuarial valuation is effective for the following fiscal year.

² As of July 1, 2018, there are three years remaining in the amortization of the unfunded liability attributable to due to the 2006 legislation change and 18 years remaining in the amortization of the unfunded liability due to other plan experience.

